

DOE ORDER # _____

94 RF 00686

EG&G ROCKY FLATS

EG&G ROCKY FLATS, INC.

ROCKY FLATS PLANT P O BOX 464 GOLDEN COLORADO 80402-0464 (303) 966-7000

January 14 1994

94 RF 00686

M H McBride
Acting Assistant Manager for
Environmental Restoration
DOE, RFO



000021201

Attn T Reeves

OPERABLE UNIT NUMBER 1 EFFLUENT TANK STATUS FOLLOW UP SGS 024 94

Ref S G Stiger ltr SGS 664 93 to R J Schassburger Operable Unit Number 1 (OU1)
Effluent Tank Status January 4 1994

Recently lab analysis on effluent Tank T 207 indicated that the total dissolved solids result (512 mg/l) was above Applicable or Relevant and Appropriate Requirements (ARARs) of 400 mg/l. It was initially expected that retreatment of this effluent tank would be necessary. Upon further review of the data, it did not appear that this data was consistent with previous effluent sampling results. The tank was then resampled and submitted for analysis. Results on the second sample showed data that was consistent with prior effluent tank samples (83 mg/l). All data was found to be well below the discharge requirements. Approximately 120,000 gallons of water from Tank T 207 was released on December 21, 1993.

The pH on effluent Tank T 206 was successfully adjusted to discharge standards. Approximately one gallon of 50 / sodium hydroxide was injected into the system resulting in a pH adjustment from 3.8 to 8.6. A three day turn around on general chemistry (VOCs, metals, water quality) parameters was obtained for this sample. All parameters having ARARs were well below discharge standards. However, low level total xylene (9 ppb) was found during the analysis. It is suspected that the appearance of this parameter is a result of leaching tank coating during an abnormally long residence time in effluent Tank T 205 (approximately half of T 205 was transferred into T 206 for neutralization purposes). Since there is no stream discharge standard for xylene, the EG&G Rocky Flats, Inc. Surface Water Division agrees that this water should be acceptable for discharge into the South Interceptor Ditch. Please provide written concurrence based on the Department of Energy (DOE) and regulatory agency notification.

Effluent Tank T 205 is currently receiving treated french drain water and may require a similar neutralization method as was used on T 206 if the addition of treated water does not sufficiently raise the pH. Since the suspected source of xylene in T 206 is the long residence time in T 205, it is possible that a similar problem may be encountered for T 205.

CORRES CONTROL	X	X
TRAFFIC CONTROL	X	X
PATS/T130G		
TRAFFIC		

CLASSIFICATION

UCNI		
UNCLASSIFIED		
CONFIDENTIAL		
SECRET		

**AUTHORIZED CLASSIFIER
SIGNATURE**

DOCUMENT CLASSIFICATION

REVIEW WAIVER PER

DATE _____

IN REPLY TO RFP CC NO

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PARTIAL/OPEN

 CLOSED

LTR APPROVALS

NACB-THE
ORIG & TYPIST INITIALS

ORIG & TYPIST INITIALS

ADMIN RECORD

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If you need any further information or have any questions please contact Russ Cirillo at extension 5876


S G Stiger
Associate General Manager
Environmental Restoration Management
EG&G Rocky Flats Inc

JRC imw

Orig and 1 cc M H McBride

cc
A H Pauole DOE RFO
R J Schassburger
M N Silverman